

[54] MULTI-DIMENSIONAL NANOMETRIC DISPLACEMENT POSITIONER

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[57] ABSTRACT

A multi-dimensional nanometric displacement positioner providing a support apparatus for an optical instrument. The positioner apparatus may nanometrically move an optical holder tube through the combined action of a tapered adjustment shaft and a zig-zag double L-shaped arm, which is connected to an optical holder tube support ring by means of a flexure link. Z-axis displacement is achieved when the inner surface of a manually driven outer drive sleeve contacts a radially directed rod flexurally affixed to a lever; so that, as the lever is pressed against a projecting flange of the holder tube, the tube is translated axially forward.

15 Claims, 3 Drawing Sheets

